

MUZIO®



Before using this product, please read the user's manual.
After using the manual, keep the manual for future reference.

JUNGSOFT

MUZIO



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Checklist Before A/S Request
Jungsoft Limited Warranty



Muzio Features



- **First Ever 9 band User Setting EQ Support**
Delicate EQ using 9 bands, 7 types of EQ Support
- **Diverse Visual Effect**
View and select User's own preferred AV/ATA or Effects
- **First Ever OELD Selection**
Brighter and Clearer Picture than Traditional LCD
- **Over 30 Languages Worldwide Support**
ID3 Tag Support with Attached Multilingual Support Graphic Display
- **New Concept Muzio Look**
Functionality and Sensibility by Ergonomical Navigation
- **Simple MP3 File Transfer**
Transferration to MP3 File with directly connecting to Audio Devices
- **WMA Play Possible**
Basic feature not only includes MP3, but also WMA play by Microsoft
- **FM Reception and Recording**
FM Radio Broadcast Auto Select and Recording Function
- **Rotating USB Connector**
Built-in USB Connector for direct connection to PC or Notebook without a cable
- **Folder Limitless Play**
Limitless Folder Creation

6



Cautions (Battery Charger)



CAUTION!
Do not open the case due to
a risk of danger in case of electric shock.



Any parts not insulated inside the charger can
cause an electric shock.
For safety reasons, do not open the case.



Read the User's Manual to avoid any problems in
operating the charger.

WARNING!

Do not allow any water near the charger to prevent fire or electric shock.

CAUTION

Use a proper electrical outlet for the plug to prevent electric shock.
The charger should be properly plugged in for safety reasons.

The contents of this User's Manual can be modified without notice for
product improvement.

7

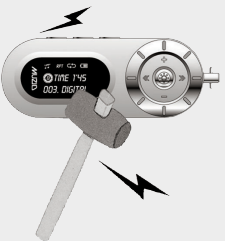


Cautions



1

Do not drop or apply shock to the unit.



2

Avoid places with extreme vibration or magnetic material.



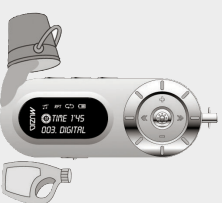
3

Do not store at extreme temperatures; high (over 35°C) or low (–5°C) or places with high humidity.



4

Do not spray water directly on the player or wipe with chemicals (benzene or thinner).



5

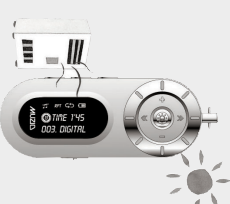
Do not disassemble the player or apply excessive force.



Caution : If disassembled by the user, A/S is not available.

6

Do not leave in direct sunlight or heat source.



7

Do not insert any contaminants inside the player.



8

Do not leave near dust or smoke.





Cautions



● Earphone Use

Driving Safety

- Do not use an earphone while operating a bicycle, automobile, or motorcycle. This is not only dangerous, but illegal depending on the local ordinances. It is dangerous to use an earphone at high volume while walking especially at crosswalks.

Hearing Protection

- Do not use high volume setting. Doctors warn against the danger of listening to music at high volume for a prolonged period of time.
- In case of Tinnitus (Ear Buzzing), lower the volume or stop using the product.

● Optimal Condition for Using the Product

- Temperature : 5°C ~ 35°C
(Malfunction possible at temperatures above or below optimal)
- Humidity : 10% ~ 75%

● Environment Information

- Separate and recycle the package, battery, and old electronic appliances.



Product Parts



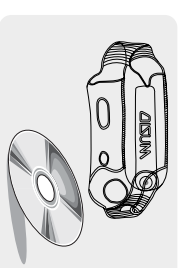
● MUZIO



● Earphone



● Portable Case and Installation CD



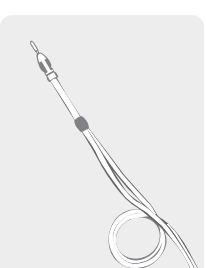
● USB Cable



● User's Manual



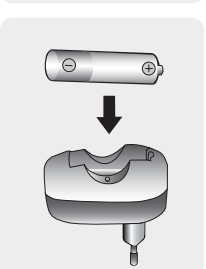
● Neck Strap



● Line-in Cable



● Battery, Battery Charger (Option)





Specifications



Category	MUZIO Specs
Audio	Range of Frequency
	20Hz ~ 20KHz
	Headphone Output
	16mW (8mW+8mW)
	Output Resistance
	16ohm
	Signal to Noise Ratio
	90dB
FM Radio	Frequency Range
	76.0MHz ~ 108.0MHz
	Output
	12mW (6mW+6mW)
Removable Disk	Signal to Noise Ratio
	50dB
	USB Connection
	A-type plug attached USB V1.1
File Support	File Format
	MPEG 1/2/2.5 Layer 3, WMA, LWF, LVW
	Bit Rate
	8Kbps ~ 384Kbps
	Tag Support
	ID3 Tag V1, V2
	Product Size
	84mm(width) × 33mm(length) × 23mm(height)
General Items	Product Weight
	Approximately 42g (excluding battery)
	Operation Temperature Range
	-5°C ~ 40°C
	Memory
	128MB/256MB/512MB
	Play Time
	Play 10 hours, FM 15 hours
	Voice Recording
	512MB over 130 hours (8Kbps)
	Battery
	1.5V AAA, LR03 Alkaline battery



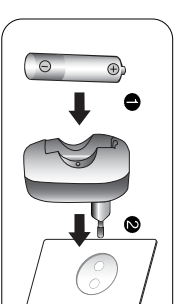
Battery Charger Instruction (Option)



Battery charger is included with JM-100F product.
Only the correct battery and battery charger included must be used.

1. Insert the battery into the charger.

- ※ Insert the battery with the right ends into the charger as shown in the picture on the right.



2. Plug in the charger into an outlet.

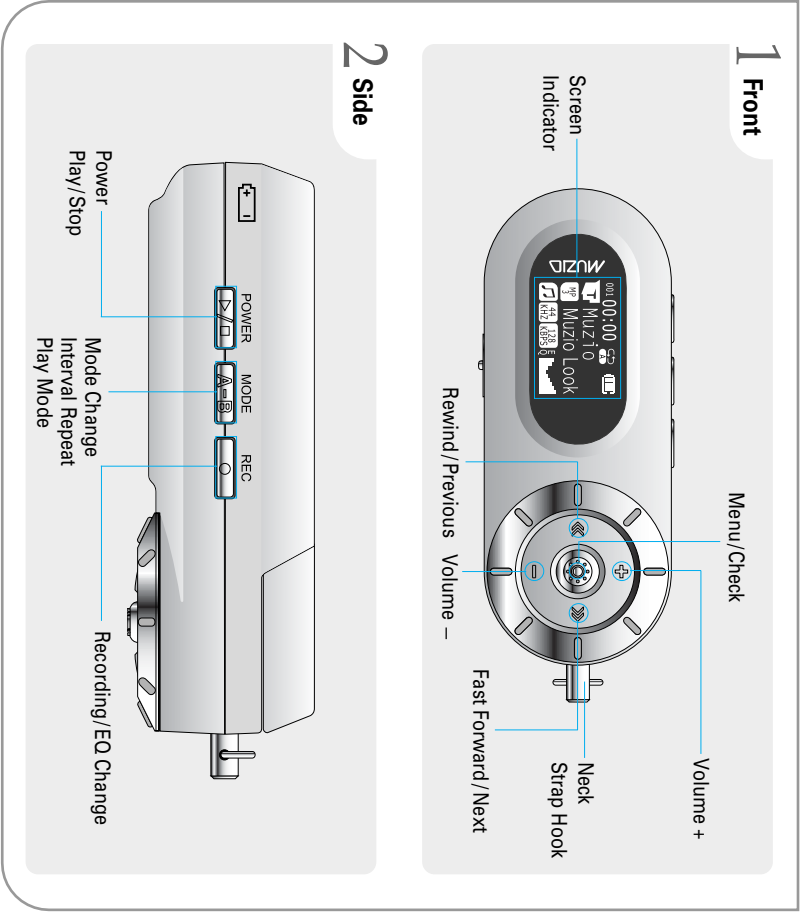
- ※ Charger must be plugged into a 110V outlet.
- ※ Recharge Indicator Lamp (red) will come on.
- ※ Recharge time will be about 2 1/2 hours if the battery is discharged and if recharge is finished, the recharge indicator lamp will turn off.

CAUTION

- After recharge is finished, unplug the charger from the AC outlet and store it.
- Due to fire hazard, do not recharge for more than the prescribed amount of time at any time and do not use any defective or wrong type of battery other than the rechargeable battery included.
- Do not plug multiple plugs into the outlet at the same time.
- Do not use damaged rechargeable battery or charger.
- Do not recharge the battery for over 24 hours continuously.
- Overcharging and overdischarging will shorten the life of the rechargeable battery.
- Since rechargeable batteries are consumables, the use life shortens gradually from the time of purchase.
- In order to extend the use of rechargeable battery, use it from full to complete discharge then recharge it to full again. If you repeat recharging after a short use, the rechargeable battery use will shorten. In that case, complete discharge and full recharge should be repeated several times to restore normal performance.
- Be careful not to allow rechargeable battery and metal parts (terminal) of the battery charger to come in contact with any objects with electrical current such as necklace or coin. This may cause a fire or electric shock.



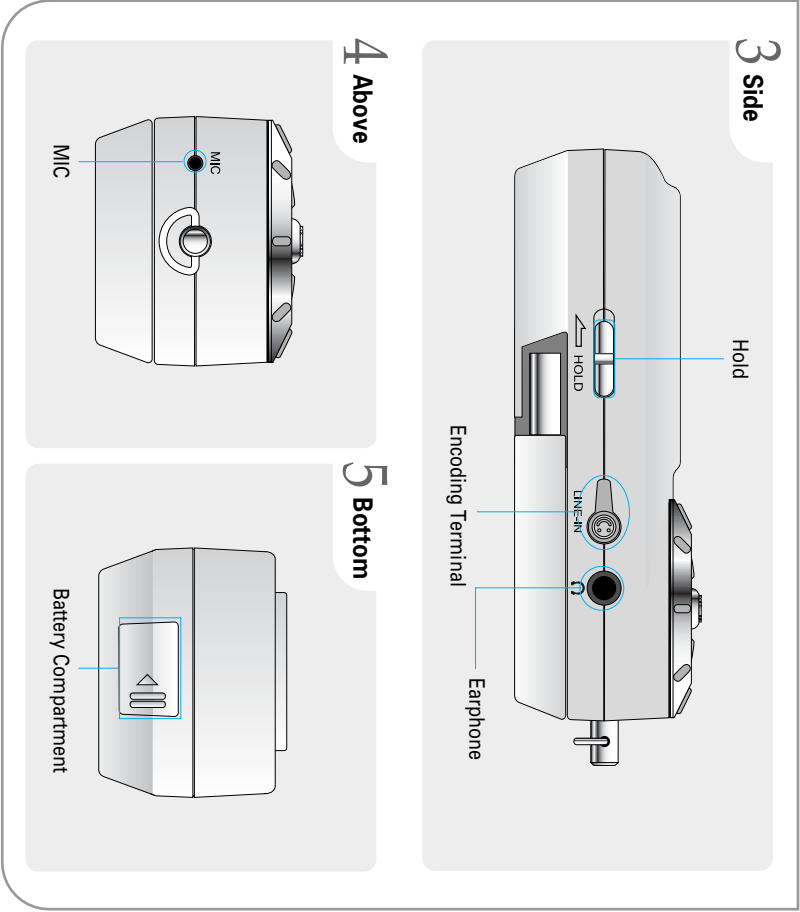
Detailed Part Description



14



Detailed Part Description



15



Screen Indicator



1 Play Mode

File No

001

Play Back Time

00:00

Repeat, Key Hold

Battery Level

Folder Name

Muzio

Artist Name, Song Title

Muzio Look

Volume, EQ

File Type

MP3

On Play

Sample Rate

44 KHZ 128 KBPS

Beat Rate

2 FM Mode

Auto Scan Mode

FM Indicator

107.7 MHz

Frequency

STEREO MONO

Stereo/Mono

Channel Setting

PRESET CH 01

Mode Indicator

3 REC Mode

Recording Indicator

MIC

Recording Type

ENMIC001

File Name

00:01:10

Record Time

Record On

Sample Rate

22 KHZ 32 KBPS

Beat Rate

Introduction

- 1. Start
- 2. Basic Operation Function
- 3. Operation Function Per Mode
- 4. USB Connection and Safe Disconnection
- 5. Using Removable Disk

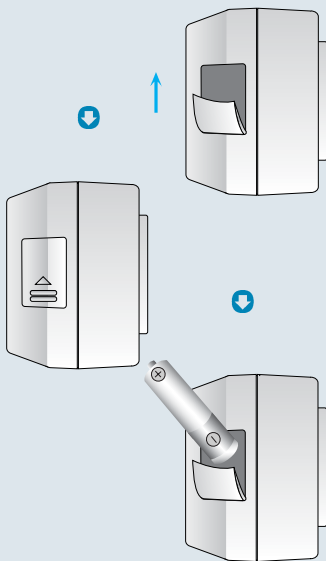


1 Start



1 Battery Insertion

1. Open the battery compartment by pushing the cover in the direction of the arrow.
2. Insert battery with the right side up. (+ should be at the top)
3. Close the cover by pushing the cover in the direction of the arrow.



2 Power On

Press and hold Power button.

- Caution**
1. Take out the battery if not used for a prolonged period of time
 2. In case of any leaks from the battery, remove the battery then clean out the compartment then insert a new battery.

2 Basic Operation Function



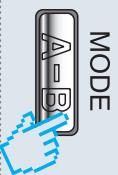
	Displays product's operation status
	In the play mode, select previous, search previous section, and search previous or select previous channel in the FM Mode
	In the play mode, search next song or search next section, and search next or select next channel in the FM Mode
	Increase volume
	Decrease volume
	Return to Setting Mode to select a category
	Turn off Power or Restart/Stop
	Interval Repeat Setting/Restart Mode
	Select EQ or display Avata Recording (FM, Line in, Voice)

3

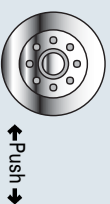
Operation Function per Mode

Mode Change

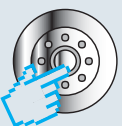
1 Press and hold the Mode button.



2 Push Left/ Right of the Control button for desired mode.

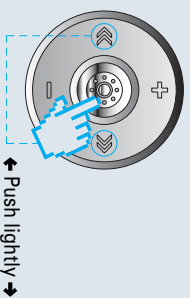


3 Press the center to select the mode.



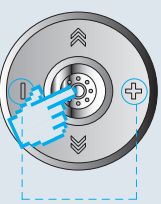
Play Mode

For Song Selection



← Push lightly →

Volume Control



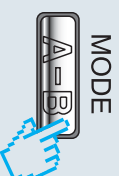
↑ Push ↓

3

Operation Function per Mode

FM Mode

1 Select Preset and Frequency Mode by pressing the Mode button.



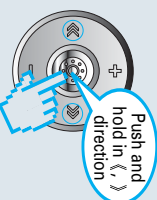
2-1 Press < > to change the channel in the Preset Mode.



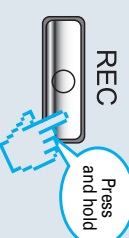
2-2 Press < > to change the frequency in the Frequency Mode.



3 Push up and hold < > for frequency scan.



4 Press and hold to record FM broadcasts.



- Preset Mode : FM Frequency Mode preset by user
- Frequency Mode : General Frequency Setting Mode

3

Operation Function per Mode

REC Mode

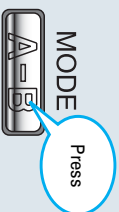
1 MIC, CD, and FM recording starts in REC Mode. (See Environment Setting Pg. 57)



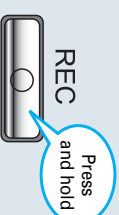
2 Press REC button to pause then press it again to start recording.



3 Press Mode button to stop recording and return to the Play Mode.



4 Press and hold the REC button to resume recording.



4

USB Connection and Safe Disconnection

1 WIN ME / 2000 / XP : Automatic detection when player connects to PC.

2 WIN98SE : To detect player, install "Muzio Utility Software" or refer to Installation CD.

3 When PC and Muzio are connected together, USB CONNECTING will be displayed on the Muzio Status Window.



4 When removing USB, click on the tray icon to select "USB Mass Storage Device-Drive(*)Stop" Click on "OK" at the Hardware Safe Removal Window.



• Supporting OS : WIN 98SE / ME / 2000 / XP

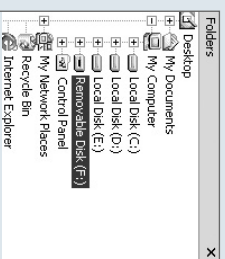
Caution If USB is removed during the transmission of files to the player, it may cause an error or failure to save. Therefore, remove it after all transmission is complete.

5 Using Removable Disk

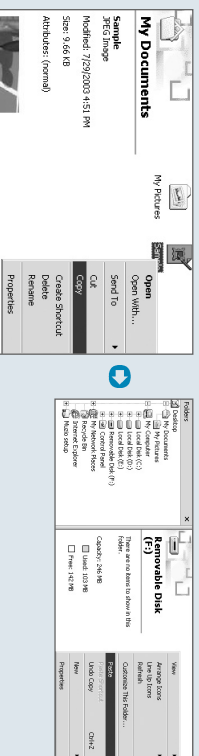


1 Start Windows Explorer after connecting player USB to PC.

2 After checking whether Removable Disk is found on the left window of the finder, select a desired file.



3 Copy the desired file and paste on to the Removable Disk.



Using Software

• Using Muzio Utility

1. Muzio Utility(S/W) Installation
2. Menu Description
3. Edit AV/ATA
4. Convert music file at Windows Explorer
5. Font Upgrade & Firmware Upgrade
6. FM Frequency Setting



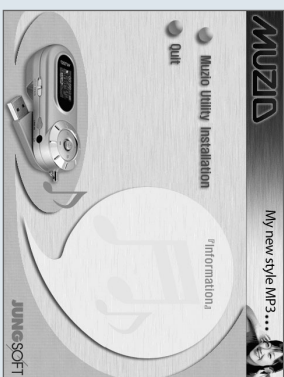


Using Muzio Utility



Preparation

- 1 Insert the packaged Installation CD for the following screen.
- 2 If the screen does not appear automatically, start setup.exe to run the program.
- 3 The CD contains Muzio Utility Program and Device Driver.



For Muzio Utility Installation, minimum PC specs required are as follows :

- Pentium II 300MHz or higher
- CD-ROM
- USB Port
- 50M or more Hard disk free space
- WINDOW 98SE / ME / 2000 / XP

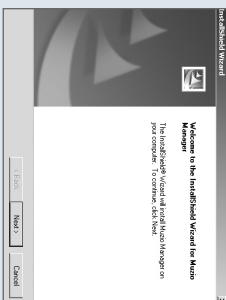
26

1

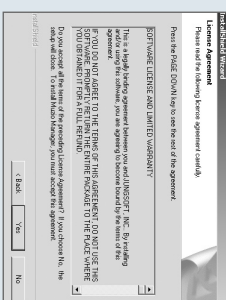
Muzio Utility(S/W) Installation



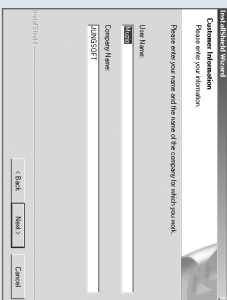
- 1 At the install screen, select Muzio Utility for the following install screen. Click on "NEXT"



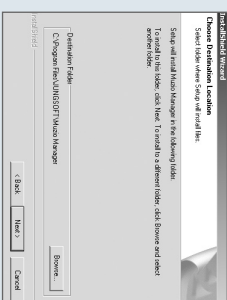
- 2 User's License Agreement will appear. Click on "YES" to accept the terms and conditions.



- 3 Enter User information and click on "NEXT"



- 4 Designate a folder by clicking on the Browse button and if not, click on "NEXT" for next step.

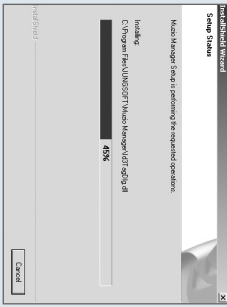


27

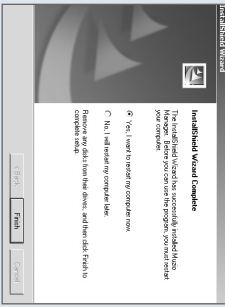
1

Muzio Utility(S/W) Installation

5 Installation in Process.



6 After restarting the computer, use the program by running the Utility Wizard.

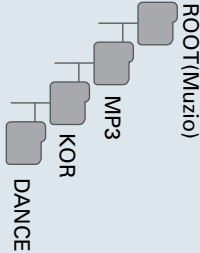


WIN98 SE requires a driver for detecting the device.
Reference Driver installation is required if basic installation is complete, but the device fails to be detected.
(Included in the installation CD)

2

Menu Description

1 Run MUZIO Utility for the following window.



- 4 folders including the root folder support create folder function.
- There is no limit in creating a new folder inside a folder.

2 Music file download is possible without the battery. (Use USB power)

2

Menu Description



Icon Functions

Avata Upgrade

FM Frequency

Font Upgrade

Avata Upgrade

FM Frequency

Font Upgrade

Firmware Upgrade

Exit

Firmware Upgrade

End Muzio Utility

= MUZIO Information = Connected MUZIO.

Muzio Player Connected

= MUZIO Information = Not connected MUZIO.

Muzio Player Disconnected

2

Menu Description



1 **AVATA Upgrade** : Create, preview, and save avata in the player

2 **FM Frequency** : Set FM Channels for Muzio

3 **Font Upgrade** : Modify player font

4 **Firmware Upgrade** : Improve player firmware performance

5 **Exit** : Close Muzio Utility

3

Edit AVATA

1 AVATA Upgrade at the Menu.
(The picture size should be set at 96(W) X 64(H)pixel)

2 The box below will display all available AVATA.



3 Click on "OPEN" after selecting the desired item from the displayed items. (Start, Finish, AVATA, Effect screen)



4 Select the folder with the saved picture at the next window and click on "OK"



5 Follow the sequence of the picture and number them accordingly.
Ex.: 01.bmp and 02.bmp to arrange the pictures.



6 Click on ► for preview and click on "SAVE" to store the picture.

7 Click on ► to open the initial AVATA or return to AVATA before the change.

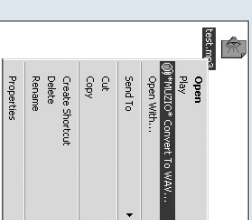
32

4

Convert music file at Windows Explorer

1 Select a music file saved in the PC. (Ex> test.mp3)

2 Right-click using the mouse for the popup menu then select the correct option for music file format. (Ex> Convert To WAV)



3 The following window will appear and convert the file.



4 The name of the file is same, but changes the format. (Ex>test.wav)



Reference
Use the other convert music menus as shown above.
Except, please check the expanded naming of the file.(~mp3/ ~wav/ ~lwf/ ~lwf)

33

5

Font Upgrade & Firmware Upgrade

Font Upgrade

- 1 Select Font Upgrade at the Setting Menu.
- 2 Select the Font (*.fon) downloaded from the homepage and click on "OK"
- 3 The following menu will appear and font will be saved in the player.



- 4 When the following menu appears, remove the muzio player.



Firmware Upgrade

- 1 Select Firmware Upgrade at the Setting Menu.
- 2 Select the Firmware (*.bin) downloaded from the homepage and click on "OK"
- 3 The following menu will appear and firmware will be saved in the player.



- 4 When the following menu appears, remove the muzio player.



Caution



1. Format is required after firmware upgrade into a version that uses UMS<-> manager. Backup important files.
2. Battery is required for firmware and font upgrade.
1. End utility after saving the firmware and font for disconnection.
2. FORMAT is required after firmware upgrade.
3. Firmware and Font files are available at www.muzio.co.kr.

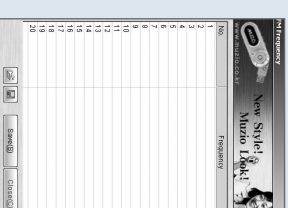
6


FM Frequency Setting

- 1 Select the FM frequency at the setting menu.



- 2 Input desired FM frequency into the following frequency box.



- 3 To save the list of broadcasting frequencies in the hard drive, click on  to save at a desired location.

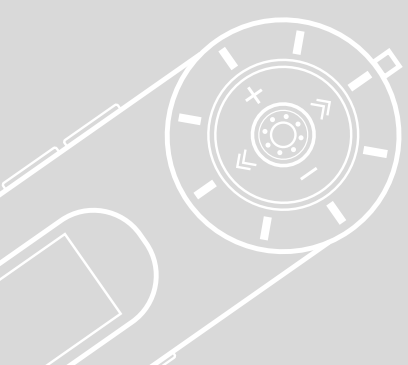
- 4 For the saved broadcasting frequency, click on  for the list.

- 5 After finishing, click on "OK" to save the FM channel in the player.



Application Chapter

1. Music Listening
2. Study Function
3. FM Listening
4. Recording
5. Management
6. Menu Setting

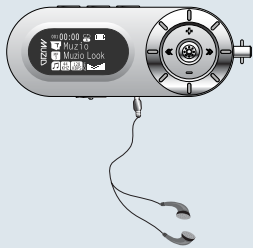


1

Music Listening



1 Connect the earphone to the player as shown in the following picture.

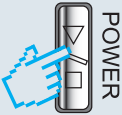


2 Release the HOLD switch as shown in the picture.



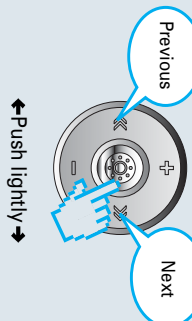
Caution : In the Lock position, The buttons and navigator will not work.

3 Turn on the POWER. Hold for power ON and short for play/ stop.

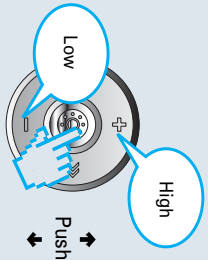


Caution : In case there is no response with the power ON, the power will automatically turn OFF depending on the Energy Save Mode Setting.

4 Push lightly on the control in the direction of << (previous) and >> (Next) for song selection.



5 Volume control should be in the + (higher) and - (lower) direction.



1

Music Listening



1	POWER	Power ON : Press and Hold	8		Play Previous : Short Push
2	POWER	Power OFF : Press and Hold	9		Fast Forward : Long Push
3	POWER	Play : Short Click	10		Rewind : Long Push
4	MODE	Mode Change : Press and Hold Play ↔ FM ↔ Rec	11	REC	EQ Change Mode : Short Click
5	POWER	Pause : Short Click	12		Setting : Long Push
6		Stop : Short Click	13		Folder Change at STOP : Long Push
7		Play Next : Short Push	14	REC	Long Play Screen

5, 9, 10, 14 will run while playing / 6, 13 will run only at Stop

1 Music Listening



Play Mode Function

Click on MODE button to change the Play Mode.

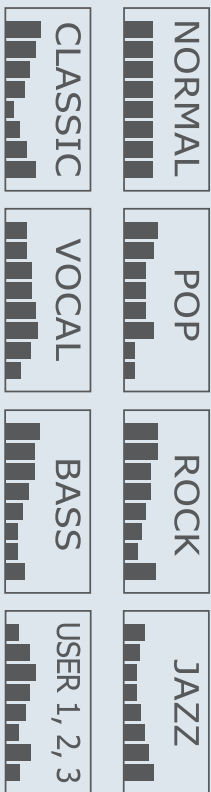
	REPEAT 1	Repeat 1 song
	REPEAT DIR	Repeat playing songs in a selected folder
	REPEAT ALL	Repeat playing all music files
	DIR	Stops after playing all songs in a selected folder
	SFL DIR	Play songs at random (in any order) in a selected folder and stops After playing all songs in the folder
	SFL ALL	Play all music files at random and stops after Playing all songs
	R SFL DIR	Play and repeat all music files in a selected folder at random
	R SFL ALL	Play and repeat all music files at random
	INTRO	Depending on the set (See Pg. 55) time by the user, INTRO plays each song from the start in an order. Click on button to cancel INTRO setting.

1 Music Listening



EQ Function

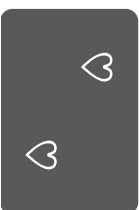
Click on REC button to change the current EQ to another tone. There are 7 selected and 3 settings.



See Pg. 56 for User EQ

Auto Save Mode

The following screen will appear if there is no key input for a set time during Play. This mode will save battery usage. (See Display SEC)



Caution There may be no sound if USER EQ is used without setting USER EQ.

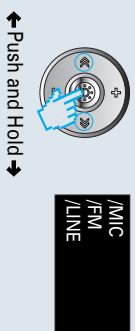
1 Music Listening



Folder Search Function

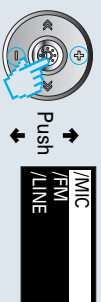
A user finds and listens to music in a desired folder when listening to music in each folder.

1 At the play mode, push and hold in << or >> direction.



Push and Hold →

2 Select by pushing in the + or - direction of the desired folder.

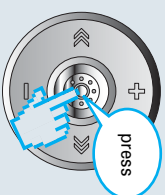


Push

3 Push in >> direction to go into the lower folder and push in << direction for the above folder.



4 Press the center of the control after going to the desired lower folder.

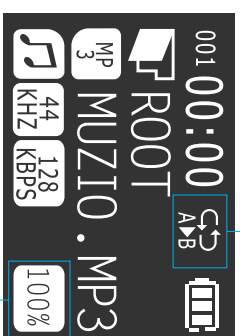


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2 Study Function



② Repeat Function



③ Speed Control

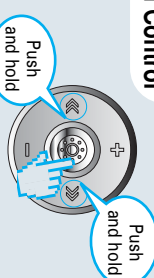
2 Repeat Function



1 Keymap

Study Keymap and Play Keymap are available for MUZIO Key setting. Study is a language study function. (See Setting Pg. 62)

3 Speed Control



- Fast : 105%
- Normal : 100%
- Slow : 95% > 90% > 85% > 80% > 75%

Reference Short push for song selection

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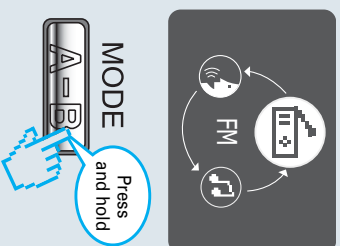
3

FM Listening

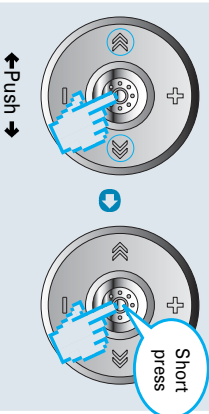


Radio Station Setting

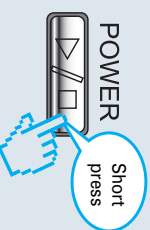
1 Press MODE button.



2 Use << or >> to select a FM station and press the center button of the Control.



4 When converting Stereo/mono, press POWER button.



3 User may listen to FM if the following screen appears.



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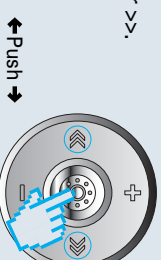
3

FM Listening



Broadcast Selection Method (Frequency Range 76.0MHz~108.0MHz)

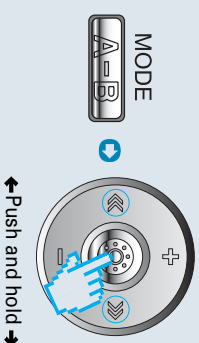
1 To change the frequency, push << or >>.



2 Press Mode Button to select PRESET/FREQUENCY (Frequency) Mode.

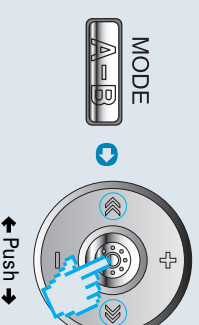
• Auto Scan Function :

If you desire to automatically find the frequency, press Mode button to cancel PRESET the push and hold << or >>.



• PRESET Function :

If you desire to find the desired radio station, press MODE button to select PRESET then select the desired radio station by pushing << or >>.



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3 FM Listening



Broadcast Save

- 1 Push << or >> either short or long to find the desired radio station.
- 2 Press REC button then the PRESET will flash on the screen.
- 3 Select desired channel by pushing << or >>
- 4 Press the center button of the control.
- 5 Up to 20 broadcasts can be saved. (possible to save at Muzio Software)
- 6 **Power OFF** : Press and hold the POWER button.

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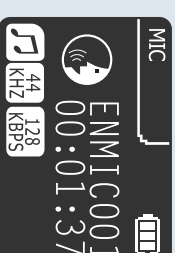
4 Recording



Voice Recording

- 1 Press MODE button.
- 2 Select REC with << or >> and press the center of the control.
- 3 Select Voice at the REC lower menu Source in the Setting. (Setting= Pg. 57)

※ Hot Key : At the Play Mode, when the setting is Voice(REC>Source), Press and hold  to start voice recording.



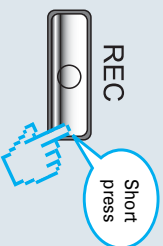
47

4

Recording



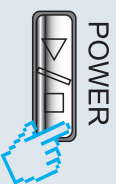
4 Press REC button to pause the recording.



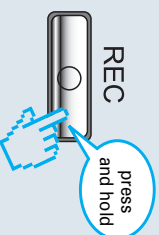
5 Press MODE button to stop the recording.



6 Press POWER button to listen to the recording.



7 Press and hold REC button to resume recording.



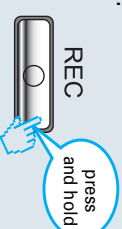
4

Recording



FM Broadcast Recording

1 While listening to a FM broadcast, if you want to record the broadcast, press and hold the REC button.



2 When pausing the recording, press REC button and press MODE to stop it completely.

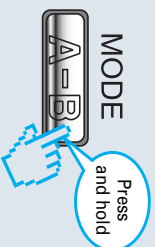
Recorded file (FM, LINE, VOICE) was saved in "EN_FM000.MP3 (Basic)" file format and is saved in a sequence of "EN_FM001.MP3" depending on the recorded file.



4 Recording



3 If you wish to listen you have just recorded, press and hold Mode Button.



Caution FM recording is available when in FM MODE. Some stations may not be available in an area where the radio frequency transmission is weak.

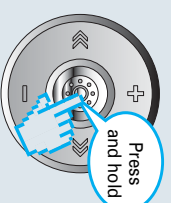
4 Recording



Line - in Encoding

1 Connect the output of any stereo system or device and line-in of this player with a Line cable.

2 Select Line-in at the lower menu Source of REC of Setting menu. (See pg. 57 for Setting Menu)



3 Press MODE button to select REC to start recording.



※ **Hot Key** : If setting is Line-in at the Play Mode, press and hold for encoding.

Reference At the setting menu, select Sync On then it only runs when there is a sound in the device for convenience.

5

Management



① Erase File ② Format ③ Initialize

See Setting Pg. 62~63

Firmware Upgrade

When the player does not operate or turn ON during Firmware Upgrade.

What is Firmware Upgrade?

It is controlling MUZIO through the software which is called Firmware.

1 Download Firmware (.bot/.app) from the Homepage.



bot : A booting Firmware for MUZIO Player.
app : A program Firmware for MUZIO Player.

2 "Install Driver" of the lower folder in the "Muzio Flash" folder in the installation CD.

3 Hold the MODE while pressing POWER to turn ON the power then connect USB when the following screen appears.



5 Put out the battery and insert it again. Then power on and MUZIO will work correctly.

4-1 Run "MuzioFlash.exe" in the "MuzioFlash" folder to select Boot and press Browse to select .bot file and press Write button to save in the player.

4-2 Run "MuzioFlash.exe" in the "MuzioFlash" folder to select Application then press Browse to select .app file and press Write button to save in the player.



6

Menu Setting



Menu		Default		Menu		Default	
PLAY	AUTO PLAY	OFF		RECORDING	HIGH		
	RESUME	ON		STEREO/MONO	STEREO		
	INTRO	5 Sec		SEARCH	FREQUENCY		
	PLAY MODE	REPEAT ALL		BAND	US/EU		
	EQ	NORMAL		CONTRAST	3		
	USER EQ	NORMAL		SCROLL	NORMAL		
	VOLUME	10		DISPLAY SEC	10		
	VOICE	HIGH		FILE NAME	24		
	LINE IN	HIGH		FILE INFO	FILE NAME		
	USER MODE	SOURCE	LINE - IN	KEY MAP	PLAY		
REC	USER SETTING			ERASE FILE			
				ERASE ALL			
SYSTEM				FORMAT			
				INITIALIZE			
				SLEEP MODE(m)	0		
				POWER OFF(s)	90		

6

Menu Setting



1 Press and hold the center of the control. There are five main menus and a lower menu under the main menu.



2 Push in the + or - direction to move to the desired menu. After the selection, push the center of the control or push in the >> direction.

3 After selecting a lower menu, press >> for the selection menu screen.



4 After setting is complete, press the center button of the control.



• To return to the main menu, push the control in the << direction.



• For Menu setting/change/cancel, use the following three buttons for setting/change/cancel.



Reference Consider the same folder search function and similar key structure.

6

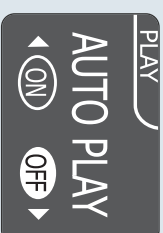
Menu Setting



Play Menu Setting

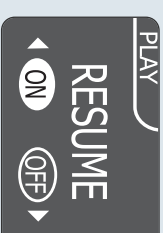
AUTO PLAY

If ON, the player will turn ON and it will automatically play.



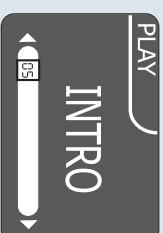
RESUME

If ON, the player will resume playing at the last location before OFF.



INTRO

Set the intro for a period of time.



PLAY MODE

Select different MODES of PLAY. (See Pg. 40)

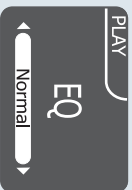


6 Menu Setting



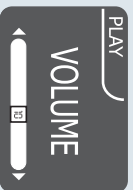
EQ

User may select and listen to the desired tone as a basic feature.
(See Pg. 41)



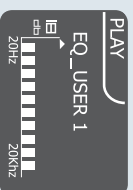
VOLUME

User may select and listen at the desired volume as a basic feature.



USER EQ

1 User 1, 2, 3 setting can be changed when ▲ is below EQ_USER then push in the direction of + or -.



2 Change the tone by moving the ▼ in the << or >> direction.



3 Set the bar with ► then push in the direction of + or - to adjust the height of the bars.



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6 Menu Setting

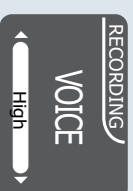


Recording Menu

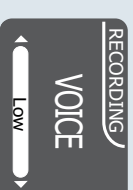
VOICE

Select the sound quality of the voice recording.

1 **Low** : Record at Low Capacity and Low Sound Quality.



2 **High** : Record at High Capacity and High Sound Quality.



LINE IN

When using Encoding, select the sound quality.



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6

Menu Setting



USER MODE

1 SOURCE

When selecting REC at the MODE, user may select basic recording items. (Mic, Line -In, Fm)



2 REC. MODE

User may select Recording type.

Type : MP2/LVW/LVF/MP3/MP2-3/MP2.5



3 STEREO / MONO

When recording, Stereo/Mono/J-STEREO settings are available.



4 SAMPLE RATE

- ① For MP2/MP3 recording method (32KHz, 44.1KHz, 48KHz)
- ② For MP2-3 recording method (16KHz, 22.05KHz, 24KHz)
- ③ For MP2.5 recording method (8KHz)
- ④ For LVW (8KHz)/LVF (8KHz)



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6

Menu Setting



5 BIT RATE

Depending on the recording type, select BitRate between 8KBps ~ 384KBps.



6 SYNC MODE

When using Encoding (Line-in) Function, sound activated recording function.

- Sync off : Manual Encoding
- 1 Sync : One Song Auto Encoding(MP3)
- Sync on : Multiple Songs Auto Encoding(MP3)



7 VAD

- MP3, MP2-3, MP2.5 :
When ON, recording is activated by Mic recording.
- LVF : Start with DTX

※ DTX : Increases compression rate to reduce the data size when the sound is low.



8 VAD RATE

When using VAD function, user may select sensitivity setting.

- Low : detect low sounds
- Mid : detect medium sounds
- High : detect loud sounds



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6 Menu Setting



FM Menu Selection

RECORDING

In case FM recording, user may select sound quality.



STEREO / MONO

When listening to FM Radio, select between Stereo / Mono setting.



SEARCH

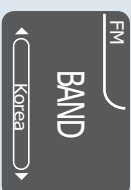
Select Broadcast Selection method

- **Frequency**
User finds the frequency
- **Preset**
Frequency is set for each channel



BAND

Select frequency domain for each nation. (Korea, US/EU, Japan)



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6 Menu Setting



Display

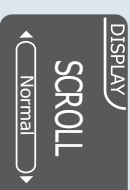
CONTRAST

Adjust the brightness of the monitor.
(adjust between 1 to 10)



SCROLL

Adjust the speed of the display on the monitor and change the shape of the scroll. (1x~4x : Speed Control/Vertical : From top to bottom/Horizontal : One letter from left to right)



DISPLAY SEC

Select Monitor Display Time. (0~250 sec)
※ 0 setting : Setting cancellation



FILE NAME

Select the file display length.
(16~64byte)



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6

Menu Setting



FILE INFORMATION

The data on the monitor is displayed as a Tag (File Content Description) or File Name.



KEY MAP

Keyboard operation can be changed with Play or Study Modes. (See Pg. 43)



System Menu

ERASE FILE

Erase one selected file.



ERASE ALL

Delete all files for play in the current directory.



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6

Menu Setting



FORMAT

After deleting all of the files, it creates default folders. (MIC, FM, LINE)



INITIALIZE

Return to the initial status at the time of factory delivery.



Caution : Font, AV/ATA Upgrade Required

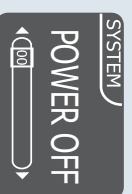
SLEEP MODE

Automatically turns itself off when the timer is set after a set time. (0~120 min)
※ 0 setting : Setting cancellation



POWER OFF

Automatically turns itself off when there is no key input after the music stopped playing. (10~180 seconds)



MEM INFO

Shows the remaining space in the memory.
Free Space / Total Space



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Checklist Before A/S Request



Condition	Corrective Action
NO display on the monitor	<ul style="list-style-type: none">• Check Display Sec in Setting• Check the battery• Check if the battery is inserted correctly (+ and -)
No music after pressing PLAY	<ul style="list-style-type: none">• Check the earphone connection• Check by using a different earphone• Check whether it is on HOLD• Check the volume• Adjust EQ
No file download	<ul style="list-style-type: none">• Check the battery• Check whether driver is installed correctly at WIN98SE• Initialize (Font Upgrade Required)• Check for battery in case of Firmware or Font Upgrade
No response after pressing a button	<ul style="list-style-type: none">• Check whether it is on HOLD
Monitor is dark	<ul style="list-style-type: none">• Check the Contrast in Setting
Turned OFF during use	<ul style="list-style-type: none">• Check Power OFF in the Setting• Check Sleep MODE in the Setting
Player does not turn ON	<ul style="list-style-type: none">• Press Mode and Power buttons at the same time for RESCUE to restore



Jungsoft Limited Warranty



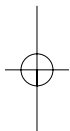
Jungsoft warrants the hardware aspects of MUZIO™ to be free from defects in material and workmanship for the period of one (1) year from the original date of purchase. THIS WARRANTY SHALL NOT APPLY TO AND JUNGSOFT MAKES NO WARRANTY WITH RESPECT TO ANY SOFTWARE PRODUCTS OR ANY SOFTWARE ASPECT OF MUZIO™ SUPPLIED BY JUNGSOFT WHICH ARE PROVIDED "AS-IS". This warranty is not transferable by Purchaser.

This warranty is valid any time within the one (1) year of the purchase date as evidence by the original purchase receipt from the retail outlet, Jungsoft designate reseller, or Jungsoft. If purchaser finds a defect in MUZIO™, warranty and Jungsoft's entire liability in contract, tort, or otherwise is the complete exchange to purchase of the equal version of MUZIO™ as originally purchased. Warranty for replacement is effective once the Purchaser returned the product together with Purchaser's name, phone number, address, description of the problem and dated proof of purchase, to Jungsoft, authorized or authorized regional distributors, transportation and insurance prepaid.

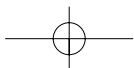
This warranty shall not apply to any failure or defect caused by misuse, abuse, alteration, improper installation, unauthorized repair or modification, improper testing, accident or causes external to the product such as but not limited to excessive heat or humidity, power failure or surges. In no event shall Jungsoft be liable for any indirect, incidental, collateral, exemplary, punitive, consequential or special damages or losses arising out of Purchaser's purchase of product and/or out of this warranty, including without limitation, loss of use, profit, goodwill or saving or loss of data, data files, or programs that may have been stored by a user on the user's hard drive.

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